

CLAIMS

1. An inkjet ink set comprising:
a first ink comprising a self-dispersing pigment colorant dispersed in a first aqueous vehicle; and
a fixing fluid comprising a soluble copper salt in a second aqueous vehicle.
2. The ink set of claim 1, wherein said first ink further comprises a soluble polymer binder.
3. The ink set of claim 2 wherein the soluble polymer binder is a substantially linear, anionic polymer having a number average molecular weight in the range of 1,000 to 20,000.
4. The ink set of claim 1, wherein the first ink further comprises an effective amount of a multivalent cation.
5. The ink set of claim 1, further comprising at least four differently colored aqueous inks, at least one of the colored inks being a first ink.
6. The ink set of claim 5, further comprising at least four differently colored aqueous pigmented inks.
7. The ink set of claim 1, wherein the soluble copper in the fixing fluid is present at a level of at least 0.05 mole/L.
8. The ink set of claim 1, wherein the self-dispersing pigment in said first ink is self-dispersing carbon black pigment comprising anionic hydrophilic moieties.
9. The ink set of claim 7, wherein the anionic hydrophilic moieties on the self-dispersing carbon black pigment are primarily carboxyl groups.
10. A method of inkjet printing a substrate comprising the steps of jetting an ink set onto a substrate, the ink set comprising:
a first ink comprising a self-dispersing pigment colorant dispersed in a first aqueous vehicle; and
a fixing fluid comprising a soluble copper salt in a second aqueous vehicle.

11. The method of claim 10, wherein the fixing fluid is jetted onto the substrate before the first ink, and the area of the substrate covered by the fixing fluid is substantially covered by the first ink.

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12. The method of claim 11, wherein the area fill of the fixing fluid is less than the area fill of the first ink.

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13. The method of claim 12, wherein the fixing fluid is applied at an area fill of less than about 60% of the area fill of the first ink.

14. The method of claim 10, wherein said first ink further comprises a soluble polymer binder.

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15. The method of claim 14, wherein the soluble polymer binder is a substantially linear, anionic polymer having a number average molecular weight in the range of 1,000 to 20,000.

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16. The method of claim 10, wherein the first ink further comprises an effective amount of a multivalent cation.

17. The method of claim 10, further comprising at least four differently colored aqueous inks, at least one of the colored inks being a first ink.

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18. The method of claim 10, wherein the soluble copper in the fixing fluid is present at a level of at least 0.05 mole/L.

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19. The method of claim 10, wherein the self-dispersing pigment in said first ink is self-dispersing carbon black pigment comprising anionic hydrophilic moieties.

20. The method of claim 19, wherein the anionic hydrophilic moieties on the self-dispersing carbon black pigment are primarily carboxyl groups.